

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number
WO 2005/040758 A2

(51) International Patent Classification⁷:

G01N

(21) International Application Number:

PCT/US2004/035390

(22) International Filing Date: 21 October 2004 (21.10.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/514,052

24 October 2003 (24.10.2003)

US

(71) Applicant (for all designated States except US): **INTERMUNE, INC.**? [US/US]; 3280 Bayshore Boulevard, Brisbane, California 94005 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **OZES, Osman, N.** [TR/US]; 101 Picadilly Place, Unit E, San Bruno, California 94066 (US). **BLATT, Lawrence, M.** [US/US]; 10 Shoreview, San Francisco, California 94121 (US).

(74) Agent: **BORDEN, Paula A.**; **BOZICEVIC, FIELD & FRANCIS LLP**, 1900 University Avenue, Suite 200, East Palo Alto, California 94303 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

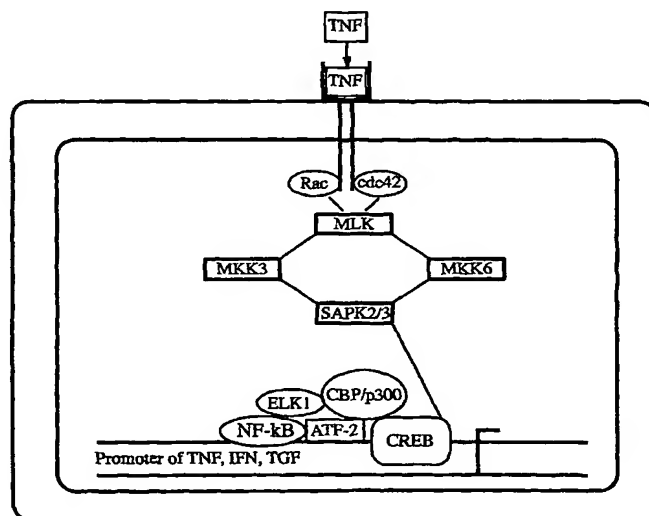
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: **USE OF PIRFENIDONE IN THERAPEUTIC REGIMENS**



(57) Abstract: The present invention provides methods for treating a disorder, and methods for inhibiting a stress-activated protein kinase (SAPK) in a cell in an individual, the methods generally involving administering to an individual in need thereof an effective amount of pirfenidone or a pirfenidone analog; comparing a post-treatment SAPK activity level in a biological sample from the individual with a pre-treatment SAPK activity level; and adjusting the dose of the pirfenidone or pirfenidone analog based on the results of the comparison step. The present invention provides methods for treating a disorder, and methods for inhibiting a SAPK in a cell in an individual, the methods generally involving administering to an individual in need thereof an effective amount of pirfenidone or a pirfenidone analog; comparing a second post-treatment SAPK activity level in a biological sample from the individual with a first post-treatment SAPK activity level; and adjusting the dose of the pirfenidone or pirfenidone analog based on the results of the comparison step.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.